

2nd Updated Search Query Case No. 09/905,736 (62-19-04)

578	substrate\$1 with (internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
382	substrate\$1 with (total adj internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	substrate\$1 with signal\$1 with (total adj internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27	substrate\$1 with signal\$1 with (internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
31	substrate\$1 with signal\$1 with (internal adj reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1263	substrate\$1 with signal\$1 with (reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
56	substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	(substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)) and (substrate\$1 with (top or above))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1	322218	EPO
0	226647	EPO
3086	(385/14).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1934	(385/15).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2775	(385/16,17,18).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4204	(385/37,129,130,131).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

312	(359/13).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10965	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
954	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
64	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11126	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
960	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflect\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
66	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflect\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1	20020047129	US-PGPUB
1	("6212314").PN.	USPAT
38	substrate\$1 with signal\$1 with (internal adj reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

69	substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	(substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)) and (substrate\$1 with (top or above))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12161	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1099	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.) and (hologram\$1 or holograph\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.) and (hologram\$1 or holograph\$2) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
76	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12333	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12333	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
77	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.) and (hologram\$1 or holograph\$2) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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search](#)**Advanced Search: INSPEC - 1969 to date (INZZ)**[limit](#)

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	substrate\$1 WITH (light\$1 OR signal\$1) WITH (total OR internal) ADJ reflection\$1	unrestricted	41	show titles
2	INZZ	1 AND hologra\$4	unrestricted	10	show titles
3	INZZ	1 AND first WITH (position\$1 OR direction\$1)	unrestricted	0	-

[hide](#) | [delete all search steps...](#) | [delete individual search steps...](#)Enter your search term(s): [Search tips](#) Information added since: or: (YYYYMMDD)[search](#)

Select special search terms from the following list(s):

- ☒ Classification codes A: Physics, 0-1
- ☒ Classification codes A: Physics, 2-3
- ☒ Classification codes A: Physics, 4-5
- ☒ Classification codes A: Physics, 6
- ☒ Classification codes A: Physics, 7
- ☒ Classification codes A: Physics, 8
- ☒ Classification codes A: Physics, 9
- ☒ Classification codes B: Electrical & Electronics, 0-5
- ☒ Classification codes B: Electrical & Electronics, 6-9
- ☒ Classification codes C: Computer & Control, 0-9
- ☒ Classification codes D: Information Technology, 0-9
- ☒ Treatment codes
- ☒ INSPEC sub-file

Updated Search Query Case No. 09/905,376

578	substrate\$1 with (internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
382	substrate\$1 with (total adj internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	substrate\$1 with signal\$1 with (total adj internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27	substrate\$1 with signal\$1 with (internal adj reflection)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
31	substrate\$1 with signal\$1 with (internal adj reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1263	substrate\$1 with signal\$1 with (reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
56	substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	(substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)) and (substrate\$1 with (top or above))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1	322218	EPO
0	226647	EPO
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312	(359/13).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10965	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
954	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
64	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11126	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
960	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflect\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
66	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflect\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

Search Results Case No. 09/905,736

US 6549694 B2	USPAT	Optical switching element, switching apparatus and image display apparatus using optical switching element	385/18
US 6169614 B1	USPAT	Wedge-shaped holographic collector	359/15
US 6185015 B1	USPAT	Compact planar optical correlator	359/15
US 20020047 129 A1	US- PGPUB	Integrated transparent substrate and diffractive optical element	257/89
US 20020048 423 A1	US- PGPUB	Optical switch with moveable holographic optical element	385/10
US 20020048 423 A	DERWEN T	Optical switch uses optical gratings or holographic optical element that moves over substrate between coupling and decoupling positions to evanescent field	
US 20020047 129 A	DERWEN T	Integrated optical device has diffractive optical element of transparent material, formed above top surface of substrate such that incident light signal is reflected off from substrate along desired direction of propagation	
EP 322218 A2	EPO	Holographic planar optical interconnect.	